

CC: ADPER

PARKS AND WILDLIFE
FRED ZIEGLER

FISH STREAM SURVEY

DATE: 6/18/80

CAMP Half-way House

UNIT

44-57, 58, 74

STREAM CATALOGUE # 103+90+632 ROAD Crossing by SPUR

QUAD MAP Craig (C-4)

T 71 S R 80 E SECT 12, 13, 14

CHECK MAP 39 of 55

T 71 S R 80 E SECT 12, 13, 14

SPECIES PRESENT

Dolly Varden
Coho

STAGE OF DEVELOPMENT

fry, adult
fry

TYPE OF FISH HABITAT

SALMON REARING

EXCELLENT

GOOD

FAIR

SQ YDS

3 At road

SALMON SPAWNING

EXCELLENT

GOOD

FAIR

SQ YDS

2 See fig

RESIDENT REARING

EXCELLENT

GOOD

FAIR

SQ YDS

RESIDENT SPAWNING

EXCELLENT

GOOD

FAIR

SQ YDS

IS FUTURE FISH HABITAT ENHANCEMENT POSSIBLE?

YES

NO

IF SO DESCRIBE:

FISH PRESENT ABOVE ROAD CROSSING:

YES

NO

BELOW ROAD CROSSING:

X

WITHIN UNIT BOUNDARY:

X

BELOW UNIT BOUNDARY:

X

- probably #2A

FISH STREAM(S) INTERSECTION(S) MARKED WITH METAL TAGS: ROAD X UNIT

FISH STREAM(S) FLAGGED: BLUE/WHITE X ORANGE/WHITE X

FISH STREAMS TRAVESED: ~ At road YES NO X

TRAVERSE NOTES ATTACHED: CROSSING YES NO X

IS ADDITIONAL PARAMETER INFORMATION NECESSARY? YES NO X

IF SO DESCRIBE:

METHODS USED TO DETERMINE PRESENCE OF FISH:

STREAM #	DATE	# FISH	SPECIES	LENGTH	GEAR	TIME
1	6/18/80	6	Coho	1-2"	Shocker	5 minutes
1	"	200	"	1-2"	Observed	
2	"	3	Dolly Varden	½-1"	Shocker	10 minutes
2	"	1	"	2"	"	"
2	"	1	"	3"	"	"
2	"	1	"	4"	"	"
2A	"	2	D.V.	2"	"	5 minutes

PERTINENT WILDLIFE INFORMATION:

COMMENTS:

SURVEY CREW MEMBERS:

SIGNATURE

DATE

Paul Suchanek Paul Suchanek

6/19/80

Al Kluthe

6/19/80

~~Jackie Kluthe~~

6/27/80

REPORT REVIEWED BY:

Jacqueline Lucid

W.P.

TITLE

DATE

SIGNATURE

RECOMMENDATIONS:

See attached reports.

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Half Way House
Units 44-57, 58, 74

This report concerns fish streams leading into Units 44-57, 58, and 74. We also surveyed a stream crossing on the proposed spur road leading to these units.

Survey of Stream Crossing

... The proposed stream crossing of Stream #1 (see map) by the Spur road is about 2000 feet east of Unit 44-74. Stream #1 at this point is 8-12' wide and 3-8" deep with pools to 2'. The substrate is gravel and the gradient is 1-3%.

We shocked 5 1-2" coho and observed approximately 200 more. The stream is excellent rearing and spawning habitat for coho. We tagged the stream at the road crossing and flagged B/W 75 ft. upstream and downstream. Fish passage is required with culvert installation concurrent with rocking. Schedule construction activities to avoid spawning adults + initiation of runs/eggs. Optimum time is June 15-Aug 15.

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Unit Survey of Fish Streams

Stream #2

Stream #2 is the stream which drains the basin in which the units are located. Just south of C-spur Stream #2 is 12-18 ft wide and 6-10" deep with pools to 3 feet. The substrate is gravel with large cobbles and boulders intermixed. There is also some bedrock substrate and there is quite a lot of blowdown in some areas of the stream. The slope is 5-15%. We shocked 6 Dolly Varden in about 10 minutes of shocking.

Near the northwest corner of Unit 44-74, the slope increases to about 20-25%. Just above this point is a 15 ft barrier falls above which no fish were found either in the main stream or in tributaries 2B and 2C which are V-notched. Above the barrier falls, the gradient of the stream is 20-40%+ for about 1000 ft, and then once again levels out. We failed to find fish in this level stretch after 10 minutes.

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of shocking and concluded there are no fish above the barrier falls.

Along the north boundary of Unit 44-74, there are Dolly Varden however. We flagged the stream O/w from the base of the barrier falls to a point about 200 ft. east of the rockpit on C-Spur.

There also is a tributary to Stream #2 flowing out of Unit 44-74. Tributary #2A is 2-3' wide and 1-3" deep with pools to 6". The substrate is gravel with large cobbles and the gradient is 10-20%. The tributary divides into 2 branches about 75 ft up. We shocked 2 2" Dolly Varden in the tributary. We flagged the tributary O/w on both branches up about 300 ft to the end of habitat where the gradient is > 30%. Since the exact location of the unit was unknown, we cannot tell how much of the tributary lies within the unit.

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Recommendations

Streams #2 Upper Portion:

Although there are no fish in Stream #2 above the barrier falls, immediately downstream there are Dolly Varden and further below, coho are present. Due to steep gradients above the falls, the potential exists for large amounts of silt to be deposited in the stream below by Stream #2 or Tributaries 2B and 2C if it were introduced by logging activities. Water quality should be maintained in these upper streams by directional falling when practical & chunk cleaning concurrent with logging.

Stream #2 - Lower Portion & Trib. #2A

- 1) Directional falling away from stream, if possible (#2A) and if necessary (#2).
- 2) Chunk cleaning concurrent with logging activities (#2 + #2A)

Stream #2 is believed to be outside the unit boundary of Unit 44-74.

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